

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/003368

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 24-27 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/003368

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4891379	A	02-01-1990	US 5422356 A	06-06-1995
			US 4992450 A	12-02-1991
			US 5064834 A	12-11-1991
			US 5319087 A	07-06-1994
			AT 110057 T	15-09-1994
			AU 596290 B2	26-04-1990
			AU 1462488 A	20-10-1988
			CA 1321792 C	31-08-1993
			CN 88102191 A , B	02-11-1988
			DE 3851081 D1	22-09-1994
			DE 3851081 T2	16-02-1995
			DK 204388 A	05-01-1989
			EG 18864 A	29-06-1995
			EP 0287339 A2	19-10-1988
			ES 2058265 T3	01-11-1994
			HU 46892 A2	28-12-1988
			IE 64508 B1	09-08-1995
			IL 86061 A	15-07-1992
			JP 2661699 B2	08-10-1997
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			KR 9615087 B1	24-10-1996
			MX 11117 A	01-11-1993
			NZ 224236 A	28-08-1990
			PH 24752 A	01-10-1990
			PT 87233 A , B	01-05-1988
			SU 1598869 A3	07-10-1990
			ZA 8802640 A	27-12-1989
WO 0040560	A	13-07-2000	EP 1140849 A1	10-10-2001
			WO 0040560 A1	13-07-2000
			JP 2002534415 T	15-10-2002
			US 2002143034 A1	03-10-2002
WO 0250071	A	27-06-2002	AU 3113902 A	01-07-2002
			CA 2433018 A1	27-06-2002
			EP 1347971 A1	01-10-2003
			WO 0250071 A1	27-06-2002
			US 2003069238 A1	10-04-2003
			US 2004077695 A1	22-04-2004
			US 2004067989 A1	08-04-2004
			US 2004067990 A1	08-04-2004
			US 2004110752 A1	10-06-2004

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D333/32 C07D307/58 C07D277/34 A61K31/425 A61K31/38
A61K31/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, PAJ, BEILSTEIN Data, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 891 379 A (ZIMMERMAN DENNIS M ET AL) 2 January 1990 (1990-01-02) column 1, lines 8-56 column 2, lines 31-33	1-28
A	WO 00/40560 A (ISHIKAWA HIROHUMI ; TANIGUCHI KIYOSHI (JP); WASHIZUKA KENICHI (JP); YA) 13 July 2000 (2000-07-13) page 1, lines 14,23,24,34, paragraph 2; claim 1	1-28
A	WO 02/50071 A (SQUIBB BRISTOL MYERS CO ; WITAYK JOHN (US); BARRISH JOEL C (US); DAS J) 27 June 2002 (2002-06-27) page 1, paragraph 1; claims 1,16; examples 35,348-351,367	1-28

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

3 August 2004

Date of mailing of the international search report

10/08/2004

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 24-27 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.